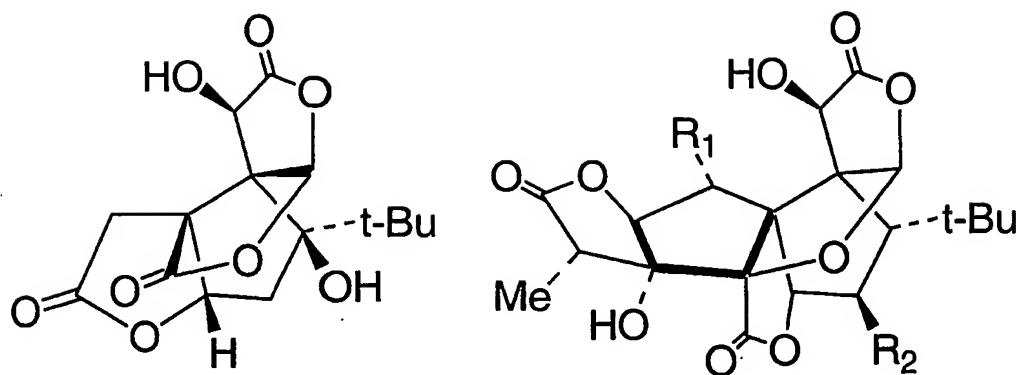


FIGURE 1**1 bilobalide**

	<u>R₁</u>	<u>R₂</u>
2 ginkgolide A (GA)	H	H
3 ginkgolide B (GB)	OH	H
4 ginkgolide C (GC)	OH	OH
5 ginkgolide J (GJ)	H	OH

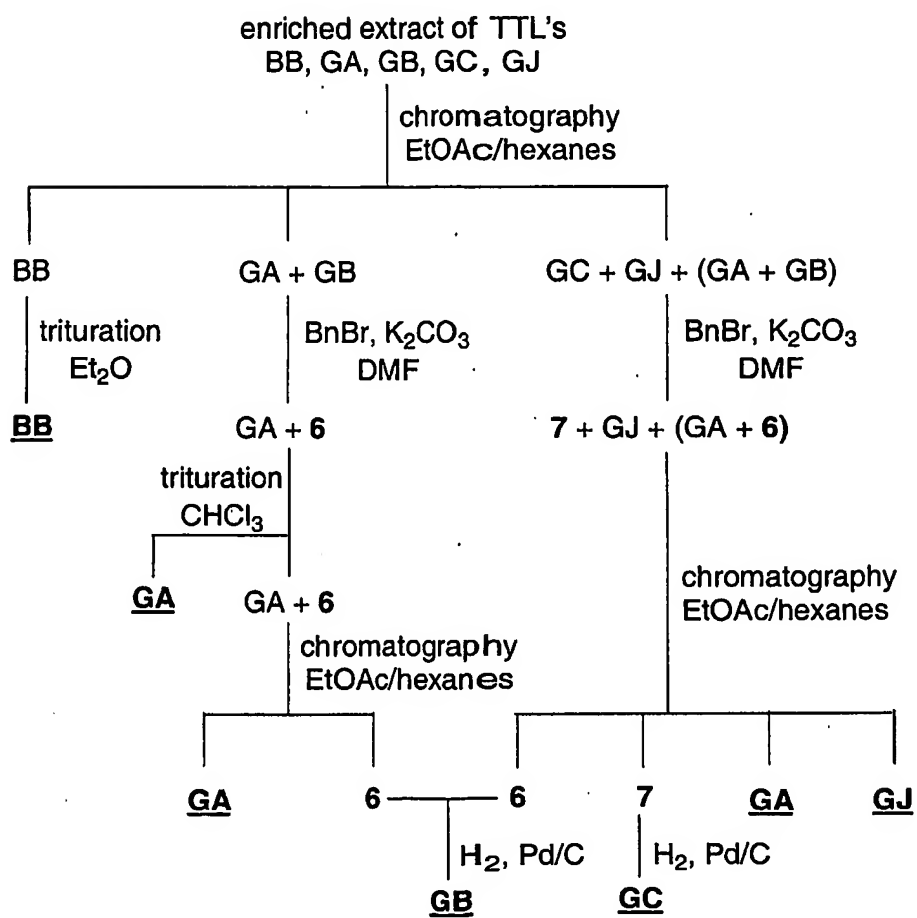
FIGURE 2

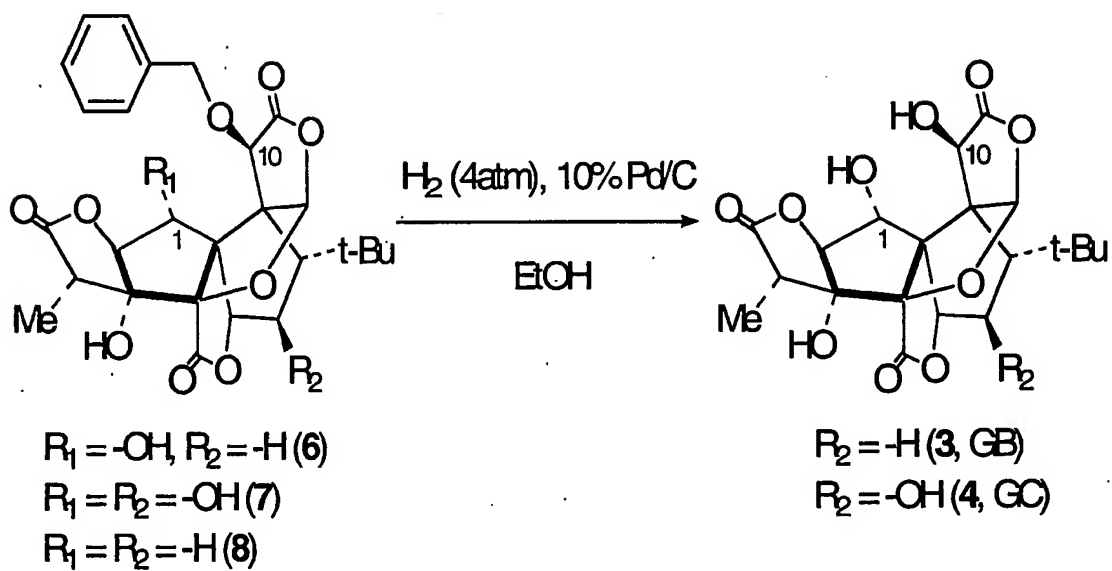
FIGURE 3

$R_1 = -H \text{ (GB)}$
 $R_1 = -OH \text{ (GC)}$

Reaction conditions:	alkyl halide (10eq.)	K_2CO_3 (10eq.)	DMF, 0.5 – 10 h, r.t.
R	ratio 10-O/1-O in GC ^a	separation of the mixture ^b	deprotection method
benzyloxymethyl-	1.4 : 1 ^c	+	H_2 , Pd/C, 1 atm
benzyl-	14 : 1	++	H_2 , Pd/C, 4 atm
p-MeO-benzyl-	20 : 1	--	CAN or H_2 , Pd/C, 1 atm
allyl-	5 : 1	--	1) <i>t</i> -BuOK, 100°C; 2) 0.1 N-HCl, reflux
cinnamyl-	5 : 1	--	1) <i>t</i> -BuOK, 100°C; 2) 0.1 N-HCl, reflux

^a ratios for GB were similar or better;^b + = good, - = bad;^c (Corey, 1992)

FIGURE 4



Compound 8 - no reaction.

FIGURE 5

